

08/896053

**Method of Inducing Vasodilation and Treating Pulmonary
Hypertension Using Adenoviral-Mediated Transfer
of the Nitric Oxide Synthase Gene**

Abstract

5 This invention relates to a gene therapy method for inducing pulmonary
vasodilation. More specifically, this invention involves introducing the nitric
oxide synthase gene into lungs resulting in pulmonary vasodilation. This results
in a hypotensive effect in the pulmonary circulation which does not significantly
affect systemic blood pressure or cardiac index. This method is useful to treat
10 primary pulmonary hypertension or pulmonary hypertension secondary to various
disease states.

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